Qualcast
2800W Quiet Shredder (Model: SDS2810)

Instruction Manual

After Sales Support

UK/Ireland	08456 400 800
Web	www.argosspares.co.uk

Important - Please read these instructions fully before starting assembly

These instructions contain important information that will help you get the best from your mower, ensuring it is assembled correctly and safely.
If you need help or have damaged or missing parts, call the Customer Helpline on **08456 400 800.**

Aug 2012

Contents

Safety Information 3
Intended Purpose 3
Safety Precautions 3
Symbols used in the Instructions 3
Symbols on the Shredder 3
General Notes on Safety 4
Preparation 5
Working with the Device 6
Electrical Safety 7
General description 8
Functional Description 8
In the Box 8
Assembly 9
Step 1 - Unpacking 9
Step 2 - Assembling the Shredder 10
Operating Instructions & Tips 11
Operating 11
Switching the Shredder On and Off 11
Emptying the Collection Box and Reverse Operation 12
Overload Protection 12
Restarting and using the Blade Reversing Mechanism 12
Blade Adjustment 13
Adjusting Cutting Blade and Pressure Plate 13
Disassembly & Storage 14
Working Methods 15
General Working Instructions 15
Maintenance and Cleaning Precautions 15
General Cleaning and Servicing 16
Replacement Parts 16
Troubleshooting 17
General Troubleshooting 17
Technical Data 18
Technical Data Table 18
Disposal 18
Disposal and Recycling 18
Getting Help 18

Safety Information

Important - Please read these instructions fully before starting assembly

Intended Purpose

The shredder is intended for compacting fibrous and wood-related materials such as hedge and tree cuttings, branches, bark and pine cones. Any use not expressly permitted in this manual may damage the shredder and pose a serious danger to the user.

Do not put stones, glass, metal, bones, plastics or other materials into the shredder

The operator or user is responsible for accidents and injury or damage to third parties. The manufacturer cannot be held responsible for any damage caused by improper operation or use beyond the purpose intended.

Safety Precautions

This shredder may cause serious injuries if improperly used. Before using the shredder, read the user manual carefully and familiarise yourself with all of the controls.

In cases of uncertainty, ask an expert for advice. Keep the manual in a safe place and pass it on to any subsequent owner to ensure that the information contained therein is available at all times.

Symbols used in the Instructions

Warning! Beware of hazards. Take special care to avoid injury or damage.

Precaution symbol (other symbol may be used instead of exclamation mark) with information on prevention of harm / damage.

Notice symbol with information on how to handle the device properly.

Symbols on the Shredder

Warning! Beware of hazards. Take special care to avoid injury or damage.

Read the manual.

Wear ear and eye protection.

Wear hand protection.

Do not expose the unit to rain.

Safety Information

Important - Please read these instructions fully before starting assembly

Symbols on the Shredder (continued)

Caution! Switch off the motor and disconnect from the mains before adjustment or cleaning work, or if the flex is caught or has been damaged.

Warning! Danger of injury from rotating blade ..

Keep your hands and feet away from the hopper funnel while the shredder is in operation.

Warning! Danger from thrown objects. Keep your distance from the funnel and ejection area, and keep others away from the danger area.

Warning! Electric shock hazard.

Always unplug the shredder before working on it.

Guaranteed noise power level

Do not dispose of electrical equipment in the domestic waste.

Safety class II

IP24 Protection against contact with the fingers and solid foreign bodies with Ø > 12 mm as well as protection against splashed water from all directions.

CE The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.

General Notes on Safety

IMPORTANT! Read carefully before use and keep for future reference

- The device must not be used by people (including children) with limited physical, sensory or mental faculties or who lack the necessary experience and/or knowledge - other than they are supervised by a person responsible for safety or are being instructed to operate the trimmer by such a person.

Safety Information

Important - Please read these instructions fully before starting assembly

General Notes on Safety(continued)

- Keep children and pets at a safe distance away from the device. Children must be supervised in order to ensure that they do not play with the equipment.
- Never allow children or other persons unfamiliar with the user manual to use the shredder. Local regulations or bylaws may determine the minimum age for using the shredder.

Observe local noise and other regulations.

CAUTION! When using powered tools, observe the following basic safety measures for the prevention of electric shocks and the risk of injury and fire:

Preparation

Preparation

Training: Become familiar with the instruction manual before attempting to operate this equipment.

- Never use the shredder with other persons or animals nearby.
- Wear hearing and eye protection at all times when using the shredder.
- Wear appropriate protective clothing such as protective gloves, firm footwear and long trousers. Do not wear loosely fitting clothes or clothes with dangling cords or belts.
- Only use the shredder in the open (that is, away from walls or other rigid structures) on a firm, level surface.
- Do not use the machine on a paved or gravelled area, or which could be damaged by ejected material.
- Before you start up the shredder, check that all of the nuts, bolts and other fastenings are tight. Covers must be fastened properly and in good working order. Replace any damaged or illegible stickers.
- Only use replacement parts and accessories supplied and recommended by the manufacturer. Using third-party parts will immediately invalidate the guarantee.
- Do not leave the shredder working unattended and keep it in a dry place out of children's reach.
- While being used in the open, connect the shredder to a residual current (RC) circuit breaker with a trip current of not more than 30 mA.
- When servicing the cutting means be aware that, even though the power source will not start due to the interlock feature of the guard, the cutting means can still be moved by a manual starting mechanism.
- Shut-off the power unit before attaching or removing the collection box
- Keep all guards and deflectors in place and in good working condition

Preparation

Working with the Device

- Make sure that the hopper funnel is empty before you start the shredder.
- Keep your head, hair and body away from the intake opening.
- Do not reach into the hopper funnel during operation. The shredder will continue to run for a short period after you switch it off.
- Always make sure you are standing in a firm, balanced position. Do not lean forwards, and never stand above the shredder when inserting materials.
- Make sure that the material inserted into the shredder does not contain hard objects made of metal, stone, glass or similar.
- Do not use the shredder in the rain and in bad weather. Work in daylight or under good lighting conditions.
- Do not operate the shredder when you are tired or distracted, or under the influence of alcohol or medication. Always take a break when you need one and be sensible about how you work.
- Switch the shredder off and pull the plug under the following circumstances:

  when you are not using the device,

  transporting it or leaving it unattended;

  before releasing a jammed blade.

  when you are checking the device, cleaning it or removing blockages;

  when you are carrying out cleaning or maintenance work or replacing accessories;

  before moving or lifting the shredder

  If foreign objects should enter the shredder, if the shredder is making unfamiliar noises or vibrations (check the shredder for damage before starting it up again)
- Do not allow shredded material to accumulate near the ejection area. This may otherwise hinder proper ejection and force the material back up through the funnel.
- Do not transport or tip the shredder with the motor running.
- Keep hands, other body parts and clothing out of the filling chamber and ejection channel and away from other moving parts.
- In the event of blockages in the machine intake or ejection, switch off the motor and disconnect the machine from the mains before removing leftover material in the intake opening or ejection channel. Ensure that the motor is free of rubbish and other accumulations in order to safeguard the motor from damage or possible fire.

  Remember that the cutting tool is also activated when the starting mechanism is started on a motor operated machine.

Preparation

Working with the Device (continued)

CAUTION! The following states how damage to the shredder and possible injury to people can be avoided:

- Handle the unit with care. Clean the ventilation slots regularly, follow the maintenance instructions.
- Do not overload your device. Work only within the indicated range of performance. Do not use low power machines for heavy duty work. Do not use your device for purposes for which it has not been designed.
- Only switch the shredder off once the hopper funnel is completely empty since the shredder may otherwise clog up and not be able to start afterwards.
- Do not attempt to repair the shredder yourself unless you are qualified to do so. Any work not specified in this manual may only be carried out by a qualified service centre.

Electrical Safety

CAUTION! The following states how damage to the shredder and possible injury to people can be avoided:

- Handle the unit with care. Clean the ventilation slots regularly, follow the maintenance instructions.
- Do not overload your device. Work only within the indicated range of performance. Do not use low power machines for heavy duty work. Do not use your device for purposes for which it has not been designed.
- Only switch the shredder off once the hopper funnel is completely empty since the shredder may otherwise clog up and not be able to start afterwards.
- Do not attempt to repair the shredder yourself unless you are qualified to do so. Any work not specified in this manual may only be carried out by our service centre.
- Only use extension cables that have been approved for outdoor use and are resistant to splash water. The core diameter for extension cables measuring up to 25 m must be at least 1.5 mm^2, and 2.5 mm^2 for cables longer than 25m. Always roll the whole cable off the reel before use. Check the cable for damage.
- Do not unplug the shredder pulling on the cable, only pull the plug itself. Keep the cable away from heat, oil and sharp edges.

General Description

Functional Description

The silent shredder is equipped with a powerful motor and motor brake, overload protection with an auto-reverse system, and restart prevention for additional safety. A blade cylinder system is used for cutting, which works extremely quietly and automatically draws in the shredding material. The sturdy chassis ensures a stable standing position with good mobility.

Refer to the following descriptions for a functional description of the various components and controls.

In the Box

1. Wheels
2. Collection box
3. Collection box safety switch
4. Shredder unit
5. Mains cable (includes strain relief only if fitted with a short cable)
6. Transport handle
7. Reset switch
8. Hopper funnel feed inlet
9. Operating mode selection switch
10. Pusher to help feed material into hopper funnel
11. Cutting blade adjustor knob
12. Chassis
13. Supports

A

Assembly

Step 1 - Unpacking

Remove the shredder from the packaging.

Pull the collection box 2 out of the chassis 12 and take out the shredder unit and accessories.

Check the box contents.

Box contents

Operator's instruction manual.

Shredder unit

Chassis

Collection box

Two wheels and two stabilising feet

Spanner

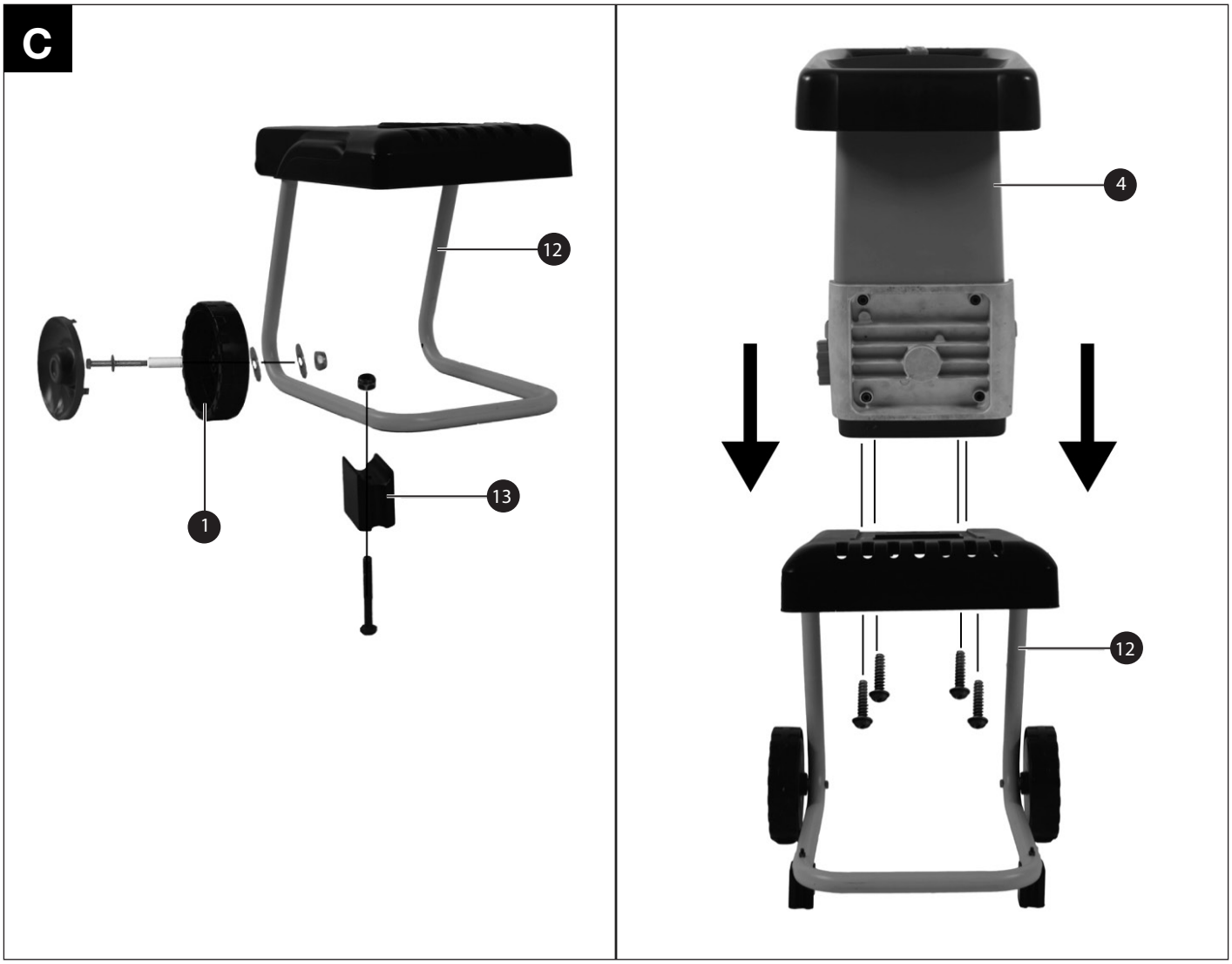
Allen key

Pusher

Assembly

Step 2 - Assembling the Shredder

C



Assemble the two wheels 1. Clip the wheel covers into the wheels.

Screw on the two stabilising feet 13 to the chassis 12.

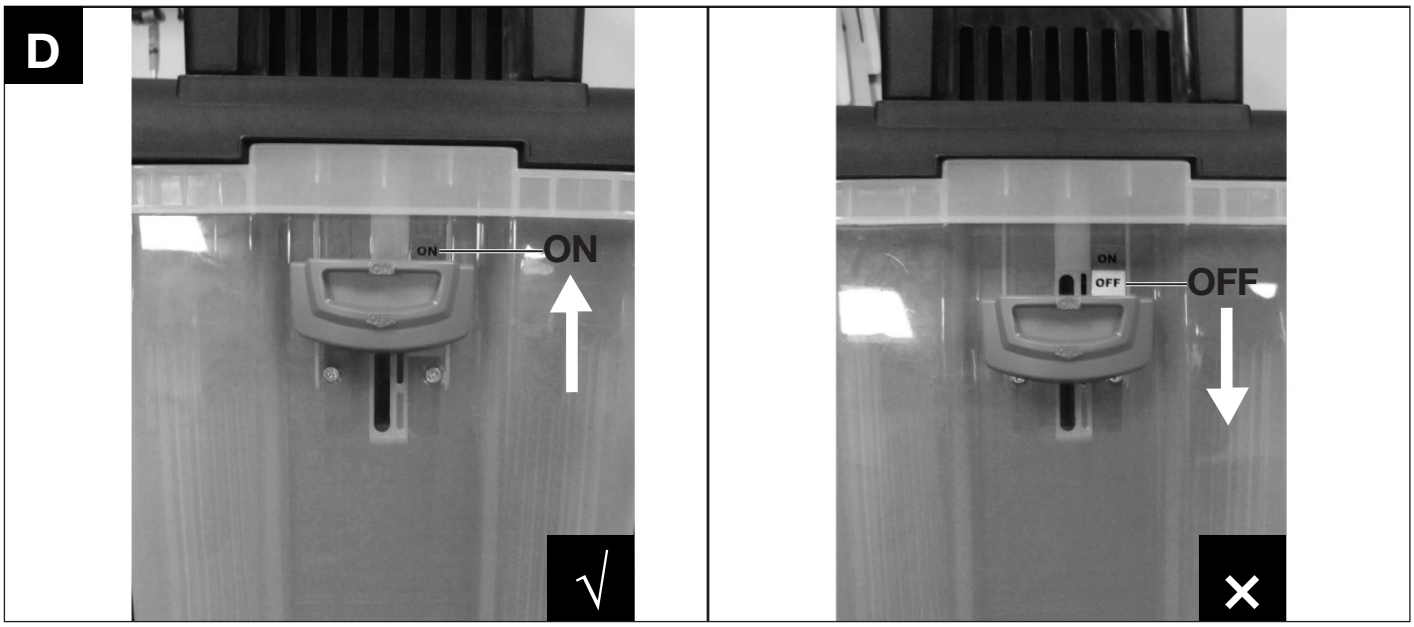
Fix the shredder unit 4 onto the chassis 12 with the four screws enclosed.

To insert the collection box (A2), the safety switch(see picture D) must be unlocked, i.e. in the"OFF"position. Push the collection box (A2) into the chassis (A11), with the safety switch (A3) on the side of the wheels (A1). The collection box (A2) can be pushed in only in one direction.

Lock the collection box (A2) by pushing the safety switch up (Fig D) to the ON position. This is a safety device. Ensure it connects firmly in position otherwise the shredder motor will not function.

Operating Instructions & Tips

Operation



Before starting the shredder, make sure that the shredder unit is firmly attached to the chassis and the collection box and safety switch are in their correct positions.

The shredder will not switch on unless the collection box and the safety switch are in their correct positions.

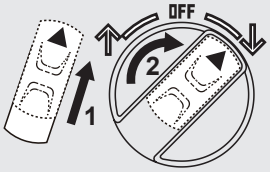
Switching the Shredder On and Off

Make sure that the mains power voltage corresponds to the information on the rating label on the shredder.

If you shredder is fitted with a long mains cable you can plug this directly into a suitable power supply, using an RCD device if necessary.

Make sure that the hopper funnel is empty before starting.

The collection box must be fitted and the safety switch on the collection box must be firmly engaged in the 'ON' postion (up) or the motor will not start.



To switch on, push the rectangular safety lock (A9) in the center of the round switch forwards and then turn the round switch all the way to the right. The switch locks into the 'ON' position.

To switch off, turn the round operating switch (A9) to the left, back to the central position

CAUTION! The sharp blades continue to rotate for a few seconds after switching off.m

Operating Instructions & Tips

Emptying the Collection Box

Do not leave it until too late to empty the collection box. Remember that the collection box fills unevenly under the ejector opening.

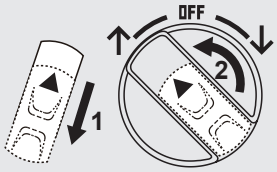
- Switch the shredder off.
- Unlock the collection box (A2) by pushing the safety switch (A3) down to the OFF position.
- Remove the collection box (A2) from the chassis (A12) and empty it.
- Make sure that the area around the safety switch (A3) is free of dust and wood chippings before you re-fit the collection box (A2).
- Re-fit the collection box (A2) and **push the safety switch (A3) up to the ON position.**

Overload Protection

In the event of overload, e.g. due to branches that are too thick, the shredder may switch off automatically. To switch back on, turn the operating mode selection switch (A9) to the "OFF" position. Press the reset switch (A7).

Restarting and using the Blade Reversing Mechanism

After switching off automatically as a result of overload, the equipment may not restart automatically if material remains trapped in the cutting mechanism.



To switch back on, turn the operating mode selection switch (A9) to the "OFF" position.

Press the reset switch (A7).

Release the rectangular safety lock (pulling it back towards the handle), then turn the round knob to the left to cause the cutting mechanism to work in reverse for a few seconds and release any thick branches that may have caused the blockage. Stop the machine then remove these obstructions carefully from the feed hopper and discard them if too big.

Switch the device back on as described above.

Use the pusher to help feed material down the funnel as necessary.

Blade Adjustment

Adjusting Cutting Bade and Pressure Plate

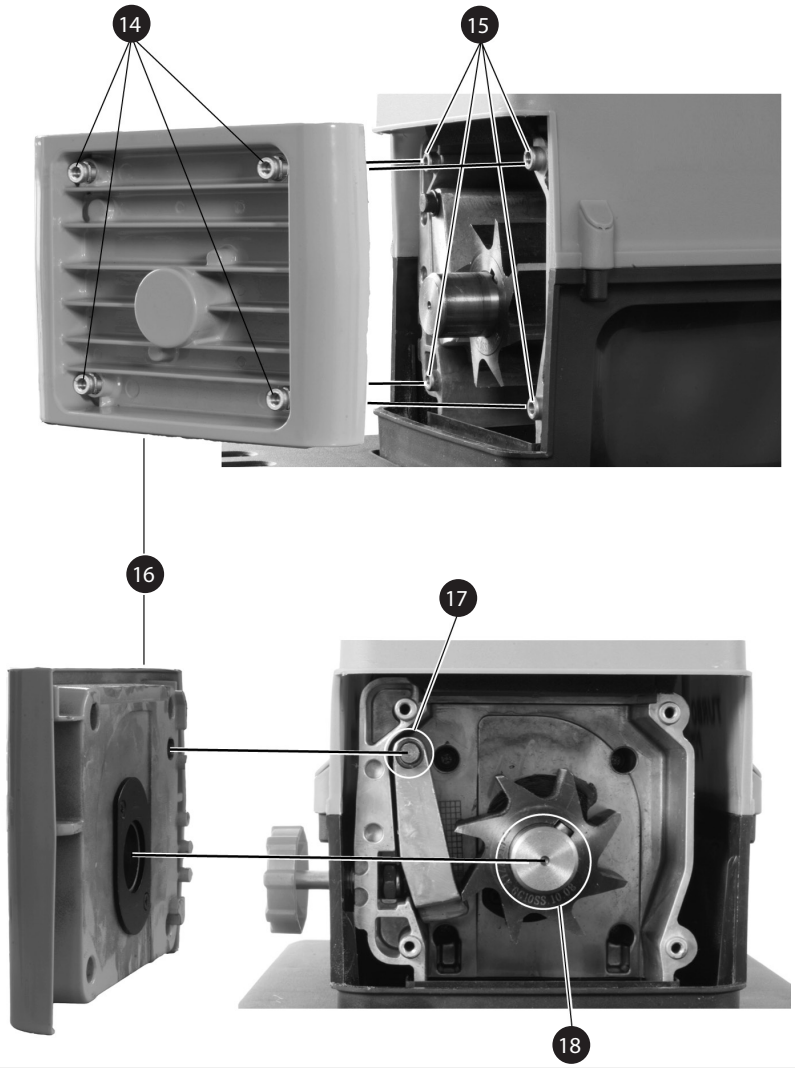
- The pressure plate setting is adjusted in the factory to the correct setting, and should normally only need adjustment after considerable wear.
- If you experience frequent blockages, the distance of the pressure plate from the blade can be increased by turning the adjusting knob (A11) anticlockwise.
- If the material is not being sufficiently shredded turn the adjusting screw clockwise to reduce the gap between the cutting blade and the pressure plate. Only make small adjustments each time.
- Turn the adjusting screw (A11) slowly clockwise until you hear scraping noises. Small aluminium shavings will come out of the ejection chute.

Avoid unnecessary wear on the pressure plate by not over-adjusting.

Disassembly & Storage

Disassembly & Storage

E



In case of more stubborn blockages you may have to clear material from inside the cutter housing. Proceed as follows:

- Remove the four allen screws 14 on the housing cover 16.
- Remove the cover. This may require light jerking movements, as this housing cover also contains two counter bearings.
- Remove any further blockage from the equipment.
- When fitting the cover 16 back on, ensure it is fitted correctly so that the blade shaft 18, the pressure plate rod 17 and the four recesses 15 for the allen screws are all correctly aligned and fit smoothly into the recesses on the cover. Ensure that the cutting pressure plate is positioned correctly.
- Screw on the housing cover 15 firmly with the four allen screws 14.

Storage

For convenient storage the shredder unit can be put inside the collection box once disassembled. To do this turn the shredder upside down and rest it carefully on the hopper. Remove the four screws (Fig. C) holding the base to the shredder body unit.

Working Methods

General Working Instructions

Keep your face and body at safe distance from the shredder as long branches can be spun around while being drawn into the shredder.

Wear ear and eye protection

Wear hand protection

- The shredder will not operate if the collection box ix not correctly fitted. Ensure the safety connector on the box is in the ON position.
- When feeding branches into the unit, keep holding them firmly until they are automatically drawn in.
- Adapt to the speed of the shredder and avoid overloading the unit. Overloading will cause it to slow down, possibly overhead and shut down.
- To avoid the unit clogging up, mix freshly cut branches or leafy material with drier materials such as twigs.
- Before you shred roots, remove any remaining soil and stones from them.
- Do not shred but directly compost all soft and wet material such as kitchen waste.
- Keep a couple of dry branches to use them for cleaning the unit at the end.
- Do not turn off the unit until all the material has passed the blades. Remaining material may otherwise block the blade when you restart the unit.

Maintenance and Cleaning Precautions

All maintenance or repair work not described in this manual must be carried out by authorized service centre. Only use original parts.

Wear hand protection when working on the blade cylinder.

Switch the shredder off, unplug it form the mains, and wait for the blade cylinder to come to a complete stop before working on it.

Working Methods

General Cleaning and Servicing

- Do not spray water onto the shredder. Electric shock hazard.
- Always keep the shredder, wheels and air vents clean. Use a brush or cloth to clean it, avoid cleaners and solvents.
- Always check that the shredder and especially the guards are not worn down or damaged but firmly attached before use. Check that the nuts, bolts and screws are tight.
- Check the covers and guards for damage and improper attachment. If necessary, change the components
- Keep the shredder in a dry place out of children's reach. Do not cover the shredder in nylon bags, as moisture may develop.

Replacement Parts

Only use original replacement poarts

Troubleshooting

General Troubleshooting

Problem	Possible cause	Fault correction
Motor will not start	Collection box not fitted correctly	Push the collection box firmly to its correct position, and place the safety switch on the box to the ON position.
	Overload protection	To switch back on, start by turning the operating mode selection switch (A9) to the "OFF" position. Press the reset switch (A7). Switch the device back on.
	No mains power supply	Check the socket, cable, lead and plug for damage, and if necessary, have any damage repaired by qualified repair personnel.
Garden waste is not drawn in	Cylinder running in reverse	Change rotational direction using the switch
	Shredding material is too soft	Insert wood or shred dried branches
	Shredder blade remains jammed	Clear the jam (See section on operation)
Shredding material comes out in chains	Pressure plate is incorrectly adjusted	Readjust the pressure plate (See section on adjusting the pressure plate)

Technical Data

Technical Data Table

Specification	Value
Silent shredder.	SDS2810
Nominal power intake	2800W(S6 40% 50S)
Nominal voltage	220V-240V AC, 50 Hz
Safety class	II
Degree of protection	IP24
Branch thickness.	Max 42 mm
Collection box content	Approx 60 l
Weight	22 kg
Sound power level Measured (LWA)	96,3 dB(A); KwA = 2,4 dB(A)
Guaranteed	99 dB(A)

* The max. branch thickness that can be shredded is dependent on the type of wood and the quality of the goods being cut.

For hard wood (e.g. oak/beech branches), the max. branch thickness that can be shredded is less than for soft wood (e.g. pine/spruce wood). For dry or knotted wood, the cutting thickness may also be less.

The sound levels have been determined in accordance with noise measuring process EN 13683:2009-09, appendix F.

The equipment is intend for use only in premises having a eliminate current capacity equal to or greater than 100A per phase supplied from a distribution network having a nominal voltage of 230V. You may need to check with your electricity provider if in ant doubt.

Noise and vibration values were determined according to the standards and stipulations mentioned in the declaration of conformity.

Further technical or cosmetic changes may be carried out by the manufacturer without notice due to on-going product improvement programs. References made in this manual may therefore sometimes vary.

Legal claims, which are made on the basis of the instruction manual, cannot thus be considered as valid.

Disposal

Disposal and Recycling

Do not dispose with household waste.

Recycle products and components according to local legal requirements.

Getting Help

After sales helpline number: 08456 400 800

Spare parts purchases: www.argosspares.co.uk